Commonwealth of Kentucky
Division for Air Quality

PERMIT APPLICATION SUMMARY FORM

Completed by: Elahe Houshmand

GENERAL INFORMATION:

Name:	R. R. Donnelley and Sons Company, Danville Plant
Address:	3201 Lebanon Road, Danville, KY 40422
Date application received:	1/29/2007
SIC Code/SIC description:	2752, Commercial Printing, Lithographic (except quick printing)
Source ID:	21-021-00037
Source A.I. #:	381
Activity ID:	APE20070001
Permit:	V-05-037(R1)

APPLICATION TYPE/PERMIT ACTIVITY:

[ ] Initial issuance	[ ] General permit
[x] Permit modification	[ ] Conditional major
__Administrative	[x] Title V
__Minor	[x] Synthetic minor
_x Significant	[ ] Operating
[ ] Permit renewal	[x] Construction/operating

COMPLIANCE SUMMARY:

[ ] Source is out of compliance [ ] Compliance schedule included

[x] Compliance certification signed

APPLICABLE REQUIREMENTS LIST:

[ ] NSR	[ ] NSPS	[x] SIP
[ ] PSD	[ ] NESHAPS	[x] Other
[ ] Netted out of PSD/NSR	[ ] Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

[ ] Acid rain source
[ ] Source subject to 112(r)
[ ] Source applied for federally enforceable emissions cap
[ ] Source provided terms for alternative operating scenarios
[ ] Source subject to a MACT standard
[ ] Source requested case-by-case 112(g) or (j) determination
[ ] Application proposes new control technology
[x] Certified by responsible official
[x] Diagrams or drawings included
[ ] Confidential business information (CBI) submitted in application
[ ] Pollution Prevention Measures
[ ] Area is non-attainment (list pollutants):

REVISION 1:

- ADDITION OF PRESS KDM-892 & A NEW REGENERATIVE THERMAL OXIDIZER (RTO #4)
- REMOVAL OF PRESS #03 AND 10

RESULTING EMISSIONS SUMMARY:

Pollutant	Allowable (TPY)	Actual (TPY) Source: CRE20060001-DAQSA12507 (Yr 2006)
VOC	≤487	131
VOC (EP#1,2 and 4-7)	≤250	49.2
VOC (EP#8)	<53 (PTE)	18.4
VOC (EP#9)	≤40	7.24
VOC (EP#11)	≤36	22.7
VOC (EP#12)	≤36	7.26
VOC (EP#13 &14)	≤36	26.4
VOC (EP#15)	≤36	36 (Projected)
PM/PM10 (Source-Wide)	NA	6.40*
SO_2 (Source-Wide)	NA	0.505*
NOx (Source-Wide)	NA	84.2*
CO (Source-Wide)	NA	70.7*
HAP (EP #11 and 12)	≤ 9.0 Single HAP	Butyl Carbitol (CAS #112-34-5) 1.41
HAP (EP #13 and 14)	≤ 9.0 Single HAP	Butyl Carbitol (CAS #112-34-5) 2.06

* - DATA SOURCE IS EXCEL FILE V050337(R1)POC – POTENTIAL UNCONTROLLED

RENEWAL:
EMISSIONS SUMMARY:

Pollutant	Allowable (tpy)	Actual (tpy)
VOC (Source-wide)	≤ 451	153
VOC (EP#1-EP7)	≤ 250	50.0
VOC (EP#8)	≤ 53 (PTE)	20.9
VOC (EP#9)	≤ 40	10.7
VOC (EP#10 &11)	≤ 36	27.7
VOC (EP#12)	≤ 36	7.03
VOC (EP#13 &14)	≤ 36	36 (Projected)
PM (Source-wide)	NA	5.651
SO_2 (Source-wide)	NA	0.449
NOx (Source-wide)	NA	74.4
CO (Source-wide)	NA	62.5
HAP (EP #10, 11 and 12)	≤ 9.0 Single HAP	Butyl Carbitol (CAS #112-34-5) 4.96
HAP (EP #13 and 14)	≤ 9.0 Single HAP	Butyl Carbitol (CAS #112-34-5) 9.0 (projected)

SOURCE PROCESS DESCRIPTION:
Revision 1:

This facility is in the magazine printing and binding industry. This source is major for volatile organic compounds (VOC). The source has thirteen (13) heatset lithographic presses to print magazines. Four (4) regenerative thermal oxidizers and one (1) recuperative thermal oxidizer, used as back-up, are controlling all 13 presses in a multiplex configuration.

EMISSION AND OPERATING CAPS DESCRIPTION:

See Permit Statement Of Basis.